

REMARKS

INTRODUCTION:

In accordance with the foregoing, claims 1, 8, 10, 14, 31, 38 and 41 have been amended. Claims 57-59 have been added. Claims 1, 8-14, 31-32 and 38-59 are pending and under consideration. Claims 45-54 are allowed. Claims 7-9 and 30-32 are objected to.

OBJECTION TO THE DRAWINGS / REJECTIONS UNDER 35 U.S.C. §112 (CLAIMS 55-56:

The drawings are objected to, and claims 55-56 are rejected under 35 U.S.C. §112. The Examiner's position in the objection/rejection is that the features of claims 55 and 56 (added in the previous response) are not disclosed in the Specification or shown in the drawings.

Applicants respectfully disagree with the Examiner. For example, FIGS. 9A and 9B and page 12 of the present Specification appear to disclose the features of claims 55 and 56. The claimed features are disclosed, for example, as follows:

fluid supply mouth (element 15)

fluid swivel formation object (element 32)

concave space (concave part 33)

peripheral wall (element 33a)

central hole (element 321)

swirl passage (element 38)

fluid introduction mouth (element 36)

fluid passage (element 35)

REJECTIONS UNDER 35 U.S.C. §103:

Claims 1, 10, 14, 38, 39, 40, 41, 42, 43 and 44 are rejected under 35 U.S.C. §103(a) as being unpatentable over Siniaguine et al. (U.S. Patent 6,402,843).

Independent claims 1 and 10 have been amended to include features of objected to claims 7 and 30, respectively.

Accordingly, withdrawal of the rejections is requested.

Claims 5 and 6 are rejected under 35 U.S.C. §103(a) as being unpatentable over Siniaguine et al. (U.S. Patent 6,402,843) as applied to claim 1 above, and further in view of Siniaguine et al. (6,099,056). Claims 11, 12 and 13 are rejected under 35 U.S.C. §103(a) as being unpatentable over Siniaguine et al. (U.S. Patent 6,402,843) as applied to claim 10 above, and further in view of Siniaguine et al. (6,099,056). Claims 28 and 29 are rejected under 35 U.S.C. §103(a) as being unpatentable over Siniaguine et al. (U.S. Patent 6,402,843) as applied to claim 10 above, and further in view of Olsson et al.

Claims 5-6 and 28-29 are cancelled herein. Accordingly, the rejection is moot. Claims 11-13 depend from independent claim 10, which is patentable over the cited references as discussed above.

NEW CLAIMS:

New claims 57 and 58 recite features somewhat similar to allowed claims 48 and 49, respectively. Claim 59 recites first and second arm parts which branch from the base in a prong arrangement. It is respectfully submitted that these claims are patentable over the cited references.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

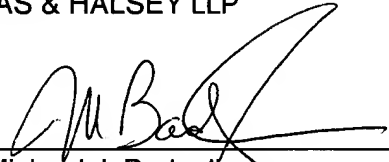
Respectfully submitted,

STAAS & HALSEY LLP

Date: _____

9-28-04

By: _____


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